

South Plains College
Common Course Syllabus: MATH 0314 & MATH 1314
Revised August 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Numbers: MATH 0314, MATH 1314

Course Title: College Algebra with Support

Available Formats: conventional, hybrid, internet, and ITV

Campuses: Levelland, Reese, Plainview, Lubbock Center, and Dual Credit

Course Description (MATH 0314): Math 0314 is to be taken concurrently with MATH 1314. Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions.

Course Description (MATH 1314): In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Prerequisite: Minimum score of 340 on the TSIA1, minimum diagnostic score of 3 on the TSIA2, a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

(MATH 0314) Credit: 3 Lecture: 3 Lab: 1

(MATH 1314) Credit: 3 Lecture: 3 Lab: 1

Textbook: *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st Edition, Prentice Hall/Pearson Education

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student can not receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

COVID Syllabus Statement: It is the policy of South Plains College that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email rcanon@southplainscollege.edu](mailto:rcanon@southplainscollege.edu) for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>
Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by Amazon*, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

South Plains College
Instructor's Course Information: MATH 0314/1314
Fall 2021

Course Number and Title: Math 0314/1314 - College Algebra with Support

Section: C212 (Mondays through Thursdays, 2:30-4:15pm, Reese Center Building 2, room 219)

Format: Conventional (face-to-face)

Campus: Reese

Instructor: Jerod Clopton

Telephone: (806) 716-2738

Office: Math and Engineering Building, M102

Email: jclopton@southplainscollege.edu

Email Policy: All students at South Plains College are assigned a standardized SPC e-mail account. Although personal email addresses will continue to be collected, the assigned SPC e-mail account will be used as the official channel of communication for South Plains College. The Student Correspondence Policy can be found at www.southplainscollege.edu. To access the SPC student e-mail account, log in to portal.office.com. (Copied from SPC Student Guide) Since all students have an assigned SPC email, the instructor will only acknowledge, respond, and send emails to your assigned SPC email. This ensures all correspondence from the instructor is received by the intended recipient.

Virtual/Face-to-Face Office Hours:

- Monday: None
 - Tuesday: 9:00-11:00am, 1:00-2:30pm – *(Reese Campus, building 2)*
 - Wednesday: None
 - Thursday: 9:00-11:00am, 1:00-2:30pm – *(Reese Campus, building 2)*
 - Fridays: 11:30-12:30pm. – *(Levelland, Math and Engineering Building)*
 - And by appointment (scheduled in Blackboard).
- * Office hours may be scheduled in Blackboard.*

Textbook: A textbook is not required for this course; however, a recommended and freely available textbook for this course may be: College Algebra from OpenStax, Print ISBN 1938168380, Digital ISBN 1947172123, www.openstax.org/details/college-algebra

This textbook is also embedded in your Blackboard course for easier referencing. However, if you prefer a print copy as a reference tool, the ISBN is located at the web link above.

Supplies: Besides pencils (please show your work in pencil) and paper, you will need a scientific calculator and a small supply of graph paper. Calculators on cell phones, TI-89, TI-92, or TI-Inspire calculators, or any other electronic devices will not be allowed during testing without permission from the instructor. Make certain you have access to a scanner or scanning app such as CamScanner, Scannable, OneDrive, etc. in order to scan your assignments/quizzes and submit them through Blackboard.

Blackboard: Blackboard is the online course management system that will be utilized for this course. This course is supplemented online, so all access to course information and your instructor is through the Internet. This course syllabus, as well as all course materials can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The username and password should be the same as the MySPC and SPC email.

Username: first initial, last name, and last 4 digits of the Student ID
 Password: Original CampusConnect Pin No. (found on SPC acceptance letter)

Questions regarding Blackboard may be emailed to blackboard@southplainscollege.edu or by telephone to 806-716-2180

Course Evaluation: The final grade for this course will be determined by the grades from student's weekly participation, quiz grades and exam grades. The average of weekly participation and quiz grades will account for 20% of the final grade, while exam grades will account for 80% of the final grade. Your final average in the course will determine the letter grade posted on your transcript. This grade is determined by the following scale: A (90-100%), B (80-89%), C (70-79%), D (60-69%), F (0-59%).

Grading Policy:

- Participation Grades (14 grades taken, 4 of which are extra credit) = 10%
- Quiz Grades (14 grades taken, 4 of which are extra credit) = 10%
- Exam Grades (4 exams at 15% each) = 60%
- Final Exam = 20%

Participation: Participation is vital for success in this course. Each student will receive a weekly participation grade. This grade will be determined by the following: attendance, completion of lecture notes, and completion of homework.

- Attend class for all class meetings during the week.
- Lecture notes and accompanying videos for each assignment are posted in Blackboard. Watch the lecture videos, complete the lecture notes, scan and submit completed notes to Blackboard.
- A set of homework problems will accompany each assignment. Complete the homework assignment, scan and submit completed work to Blackboard. The homework will not be graded. However, the completion of the homework assignments will contribute to the understanding of the material and preparedness for in-class assessments (quizzes and exams).

Make certain to complete and submit assignment on time (or early). Assignments will be accepted with a 10% deduction up to the time of the unit exam. Assignments submitted after the unit exam will not be accepted.

Quizzes: Quizzes are given to determine if the student is mastering the required skills of the course. Weekly quizzes will be given, and the questions will be similar to the questions in the homework assignments. Students will complete the quiz during class and submit their work in Blackboard by the end of class. No late quizzes will be accepted.

Exams: There are four (4) units of study in this course. At the conclusion of each unit is a face-to-face examination on specified days in the calendar (see the Tentative Course). Exams will be administered during the scheduled class time, with the exception of the final exam, which is on Tuesday, Dec 14 from 1:00-3:00pm.

Assignment Format and Policy:

- Write the question number.
- In solving the problem, show all necessary work.
- Clearly mark your answer.
- Write your name at the top of each page of your work.
- Submit the assignment in Blackboard as a single pdf file. (Pdf files can be generated easily using a scanner or many freely available phone apps, like CamScanner, Scannable, or OneDrive.)
- Assignments (lecture notes, homework, and quizzes) turned in after the due date **will not be graded**.

To maximize your potential for successfully completing this course:

- login to Blackboard daily
- watch the lecture videos and take notes on them
- thoroughly complete and submit the assignments on time
- practice the exercises repeatedly until you have full mastery of them;

Amendment to Attendance/Student Engagement Policy: In addition to the attendance/student engagement policy stated in the common course syllabus (page 2), students should observe the following guidelines

Before arriving for the class meeting, make certain you have:

1. worked through the notes and videos for that week's lessons;
2. completed a majority of the assigned exercises.

Upon arriving at the class meeting, we will:

1. answer questions over exercises;
2. work through lab exercises;
3. submit assignments and quizzes.

Tutoring Information: Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

You also have 180 FREE minutes of tutoring with tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tutor.com link on the left-hand tool bar and grab a session with a tutor. You can access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

Note: The instructor reserves the right to modify the course syllabus, policies, and calendar as well as notify students of any changes, at any point during the semester.

Tentative Course Calendar: Math0314/1314.C212 - **version 2**

Week	Date	Topics
1	Aug 30	Introduction; Operations with Integers
	Aug 31	Operations with Rational Numbers
	Sep 1	Operations with Polynomials
	Sep 2	
2	Sep 6	Labor Day Holiday
	Sep 7	Factoring
	Sep 8	
	Sep 9	Rational Expressions
3	Sep 13	Exam 1
	Sep 14	Asgmt 1 – Linear Equations
	Sep 15	
	Sep 16	Asgmt 2 – Rational Equations
4	Sep 20	
	Sep 21	Asgmt 3 – Linear Applications
	Sep 22	
	Sep 23	Asgmt 4 – Complex Numbers
5	Sep 27	Asgmt 5 – Quadratic Equations
	Sep 28	
	Sep 29	Asgmt 6 – Other Types of Equations
	Sep 30	
6	Oct 4	Asgmt 7 – Linear and Absolute Value Inequalities
	Oct 5	
	Oct 6	Exam 2
	Oct 7	Asgmt 8 – Functions and Their Graphs
7	Oct 11	
	Oct 12	Asgmt 9 – Linear Functions and Slope
	Oct 13	
	Oct 14	
8	Oct 18	Asgmt 10 – Distance, Midpoint, and Circles
	Oct 19	Asgmt 11 – Combination and Composition of Functions
	Oct 20	Asgmt 12 – Inverse Functions
	Oct 21	Asgmt 13 – Quadratic Functions and Synthetic Division
9	Oct 25	
	Oct 26	Asgmt 14 – Roots of Polynomials
	Oct 27	Asgmt 15 – Polynomial Functions and Their Graphs
	Oct 28	
10	Nov 1	Asgmt 16 – Rational Functions and Their Graphs
	Nov 2	
	Nov 3	Asgmt 17 – Polynomial and Rational Inequalities
	Nov 4	
11	Nov 8	Exam 3
	Nov 9	Asgmt 18 – Exponential and Logarithmic Functions
	Nov 10	Asgmt 19 – Properties of Logarithms
	Nov 13	
12	Nov 15	Asgmt 20 – Exponential Equations
	Nov 16	
	Nov 17	Asgmt 21 – Logarithmic Equations
	Nov 18	
13	Nov 22	Exam 4
	Nov 23	

	Nov 24	Thanksgiving Holiday
	Nov 25	Thanksgiving Holiday
14	Nov 29	Asgmt 22 – 2x2 and 3x3 Systems of Equations
	Nov 30	
	Dec 1	Asgmt 23 – Matrix Solutions to Systems
	Dec 3	
	Dec 6	Asgmt 25 – Nonlinear Systems and Systems of Inequalities
15	Dec 7	Asgmt 26 – Determinant's and Cramer's Rule
	Dec 8	Review
	Dec 9	Review
16	Dec 14	Exam 5: Tuesday, December 14 from 1:00-3:00pm

Note that this is a tentative course calendar, meaning that assignments, exams, and due dates are subject to change.